Application No.:

10/573,519

Filing Date:

January 31, 2007

AMENDMENTS TO THE CLAIMS

- 1. (Previously presented) An electrolyte for the galvanic deposition of aluminum-magnesium alloys, containing at least one organoaluminum complex compound of formula $MAlR_4$ or mixtures thereof and an alkylmagnesium compound, wherein M represents Na, K, Rb or Cs, and R represents a C_1 - C_{10} alkyl group.
- 2. **(Previously presented)** The electrolyte according to claim 1, wherein the electrolyte additionally includes trialkylaluminum.
- 3. (Previously presented) The electrolyte according to claim 2, wherein the electrolyte includes AlR_3 , M^1AlR_4 , M^2AlR_4 and $Mg(R^1)_x(R^2)_y$, wherein M^1 and M^2 are different from each other, representing Na, K, Rb or Cs, R represents a C_1 - C_{10} alkyl group, R^1 and R^2 independently represent a C_1 - C_{20} alkyl group, and x = 0 to 2, and y = 0 to 2, and x + y = 2.
- 4. **(Previously presented)** The electrolyte according to Claim 3, wherein the alkylmagnesium compound is included in an amount of from 0.01 to 10 mole-%, relative to the aluminum complex.
- 5. (Currently amended) The electrolyte according to Claim 4, wherein the alkylmagnesium compound is selected from the group of Mgbutyl_{1.5}octyl_{0.5}, Mgbutyl_{1.0}ethyl_{1.0}, Mgsec-butyl_{1.0}n-butyl_{1.0} or mixtures thereof.
- 6. **(Previously presented)** The electrolyte according to Claim 1, wherein the electrolyte includes an organic solvent.
- 7. **(Previously presented)** The electrolyte according to claim 6, wherein the organic solvent is an aromatic solvent.
- 8. **(Previously presented)** The electrolyte according to claim 7, wherein the aromatic solvent is benzene, toluene or xylene or a mixture thereof.
- 9. **(Withdrawn)** A method for the production of the electrolyte according to Claim 1, comprising:
 - -supplying an organoal uminum complex compound of formula $MAlR_4$ or a mixture thereof, and
 - adding an alkylmagnesium compound, wherein M represents Na, K, Rb or Cs, and R represents a C_1 - C_{10} alkyl group.

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10. (Withdrawn) The method according to claim 9, wherein the organoaluminum complex compound is a mixture of M^1AlR_4 and M^2AlR_4 , wherein M^1 and M^2 are different from each other, representing Na, K, Rb or Cs, R represents a C_1 - C_{10} alkyl group.

- 11. (Withdrawn) The method according to claim 9, wherein the alkylmagnesium compound is $Mg(R^1)_x(R^2)_y$, wherein R^1 and R^2 independently represent a C_1 - C_{20} , and x = 0 to 2, and y = 0 to 2, and x + y = 2.
- 12. **(Withdrawn)** The method according to Claim 11, wherein the alkylmagnesium compound is added dissolved in a hydrocarbon.
- 13. **(Withdrawn)** The method according to Claim 11, wherein the alkylaluminum complex is supplied dissolved in an aromatic hydrocarbon.
- 14. **(Withdrawn)** The method according to claim 12, wherein the hydrocarbon is a saturated or unsaturated hydrocarbon.
- 15. **(Withdrawn)** The method according to claim 14, wherein the hydrocarbon is selected from the group of i-pentane, n-pentane, hexane, n-hexane, heptane, n-heptane, toluene, xylene.
- 16. **(Previously presented)** An electrolyte for the production of aluminum-magnesium alloys on electrically conducting materials or electrically conducting layers, which can be produced according to the method of Claim 9.
- 17. (Withdrawn) A method of coating electrically conducting materials or layers with aluminum-magnesium alloys comprising coating said electrically conducting materials or layers with the electrolyte in accordance with Claim 1, in which method the alkylmagnesium compound is metered during coating.
 - 18. (Cancelled)
- 19. **Previously presented)** An electrolysis kit for the galvanic deposition of aluminum-magnesium alloys on electrically conducting materials or layers, including:
 - (a) the organoaluminum complex compounds or alkylaluminum compounds of Claim 1; and
 - (b) an alkylmagnesium compound in accordance with Claim 1.
- 20. (Previously presented) The electrolysis kit according to claim 19, wherein the compounds (a) and (b) are present in an organic solvent.

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21. (Previously presented) The electrolyte of Claim 3, wherein R represents C_1 - C_4 alkyl group.

- 22. (Previously presented) The electrolyte of Claim 3, wherein R^1 an R^2 independently represent a C_2 - C_{10} alkyl group.
- 23. (**Previously presented**) The electrolyte of Claim 4, wherein the alkylmagnesium compound is included in an amount of from 0.1 to 1 mole% relative to the aluminum complex.
- 24. (Withdrawn) The method of Claim 9, wherein the organoaluminum complex compound of formula MAIR₄ is supplied in combination with trialkylaluminum.
 - 25. (Withdrawn) The method of Claim 9, wherein R represents a C₁-C₄ alkyl group.
- 26. (Withdrawn) The method of Claim 11, wherein R^1 and R^2 independently represent a C_2 - C_{10} alkyl group.